

U.S. N.R.C. Fellowship Education Grant at Clemson University

Executive Summary:

Fellowships are requested to support three graduate students (MS/PhD) per year in nuclear environmental engineering and science (NEES) program within the Environmental Engineering and Earth Sciences Department at Clemson University. Fellowship students will pursue a course of study in either Environmental Health Physics (ABET-ASAC accredited at MS level) or Environmental Radiochemistry. Fellows will conduct their thesis/dissertation research in collaboration with an outside partner such as a national laboratory, utility, or regulatory agency. This will provide fellows with an opportunity both to interact with a practicing professional and to conduct research that contributes to the solution of a contemporary technical issue in the nuclear sector.

The NEES program is a graduate only academic program established in the early 1980's. The program focuses on the environmental aspects of nuclear technologies, including environmental health physics, radioactive waste processing, environmental risk assessment, the nuclear fuel cycle, radiation detection and measurement, environmental radiochemistry, and environmental remediation. The average number of M.S. and Ph.D. students pursuing a program of study in the NEES focus area has been ~14 per year over the past 5 years. There has been a significant increase to where there are currently 23 M.S. and Ph.D. students within the NEES concentration.

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